

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits   | Search Query  | DBs                       | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---------------------------|------------------|---------|------------------|
| S1    | 54     | ((christoph near2 brabec) (jens near2 hauch)).in.   | US-PGPUB; USPAT           | OR               | ON      | 2008/03/27 17:38 |
| S2    | 46     | (KONARKA near6 TECH \$).as.   | US-PGPUB; USPAT           | OR               | ON      | 2008/03/27 17:45 |
| S4    | 5      | US-5891264-\$.DID. OR EP-1213775-\$.DID. OR JP-07066438-\$.DID. OR US-6291763-\$.DID. OR US-5986206-\$.DID. | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2008/03/27 17:53 |
| S9    | 225217 | (solar photoelectric photovoltaic)  | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2008/03/27 17:59 |
| S10   | 39187  | (rough\$4 uneven\$4 textur\$4) near6 substrate  | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2008/03/27 18:00 |
| S11   | 648    | S9 same S10   | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2008/03/27 18:01 |
| S13   | 264    | S11 and "136"/\$.ccls.  | US-PGPUB; USPAT           | OR               | ON      | 2008/03/27 18:02 |
| S14   | 176    | S11 and "136"/252,258-265.ccls.   | US-PGPUB; USPAT           | OR               | ON      | 2008/03/27 18:03 |
| S15   | 9      | S11 and "136"/263.ccls.   | US-PGPUB; USPAT           | OR               | ON      | 2008/03/27 18:03 |
| S19   | 50665  | semiconduct\$4 near6 (polymer resin)  | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2008/03/27 18:20 |
| S20   | 39     | S11 and S19   | US-PGPUB; USPAT; EPO; JPO | OR               | ON      | 2008/03/27 18:24 |
| S22   | 21     | S13 and S20   | US-PGPUB; USPAT           | OR               | ON      | 2008/03/27 18:26 |
| S23   | 16     | S14 and S20   | US-PGPUB; USPAT           | OR               | ON      | 2008/03/27 18:26 |
| S26   | 154    | (S9 same S10)   | JPO                       | OR               | ON      | 2008/03/27 18:28 |
| S29   | 9197   | (rough\$4 uneven\$4 textur\$4) near substrate   | US-PGPUB; USPAT           | OR               | ON      | 2008/03/27 18:31 |
| S30   | 142471 | (solar photoelectric photovoltaic)  | US-PGPUB; USPAT           | OR               | ON      | 2008/03/27 18:32 |

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|-----|-----|--|------------------------|----|----|------------------|
| S32 | 90  | S29 same S30 and "136"/\$.ccls.  | US-PGPUB; USPAT        | OR | ON | 2008/03/27 18:32 |
| S33 | 12  | anti?reflect\$4 with (textur\$4 uneven\$4 rough\$4) with substrate and "136"/\$.ccls.  | US-PGPUB; USPAT        | OR | ON | 2008/06/16 13:55 |
| S34 | 7   | washio.in. and (solar adj cell)  | US-PGPUB; USPAT        | OR | ON | 2008/06/17 17:27 |
| S35 | 299 | textur\$4 with substrate and "136"/\$.ccls.  | US-PGPUB; USPAT        | OR | ON | 2008/06/17 17:38 |
| S36 | 4   | EP-1028475-\$ DID. OR WO-0011725-\$ DID. OR WO-0011725D-\$ DID. OR DE-19814652-\$ DID. OR DE-19814652D-\$ DID. OR DE-1981465-\$ DID. | EPO; DERWENT           | OR | ON | 2008/09/03 15:14 |
| S37 | 56  | ((christoph near2 brabec) (jens near2 hauch)).in.  | US-PGPUB; USPAT        | OR | ON | 2008/09/03 15:14 |
| S38 | 52  | (KONARKA near6 TECH \$).as.  | US-PGPUB; USPAT        | OR | ON | 2008/09/03 15:14 |
| S39 | 57  | ((christoph near2 brabec) (jens near2 hauch)).in.  | US-PGPUB; USPAT        | OR | ON | 2008/10/08 15:26 |
| S40 | 52  | (KONARKA near6 TECH \$).as.  | US-PGPUB; USPAT        | OR | ON | 2008/10/08 15:26 |
| S41 | 666 | (textur\$4 uneven\$4 rough\$4) with substrate and "136"/\$.ccls.   | US-PGPUB; USPAT        | OR | ON | 2008/10/08 15:30 |
| S42 | 11  | ("5101260"   "5486238"   "5711824").PN. OR ("5891264").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/08 15:34 |
| S43 | 62  | S41 and (PET PEN) same substrate   | US-PGPUB; USPAT        | OR | ON | 2008/10/08 15:52 |
| S44 | 186 | substrate same (PET PEN) same textur \$4   | US-PGPUB; USPAT        | OR | ON | 2008/10/08 16:14 |
| S45 | 1   | substrate same (PET PEN) same textur \$4 and "136".clas.   | US-PGPUB; USPAT        | OR | ON | 2008/10/08 16:23 |
| S46 | 442 | substrate same textur \$4 and "136".clas.  | US-PGPUB; USPAT        | OR | ON | 2008/10/08 16:23 |
| S47 | 25  | S46 and (substrate same (PET PEN PES))   | US-PGPUB; USPAT        | OR | ON | 2008/10/08 16:24 |

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|-----|--------|--|------------------------|----|----|------------------|
| S48 | 20     | ("5101260"   "5486238").PN. OR ("5711824").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/08 16:26 |
| S49 | 173409 | solar photovoltaic photoelectric   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/08 16:45 |
| S50 | 15493  | organic near4 semiconductor  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/08 16:45 |
| S51 | 1106   | S49 same S50   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/08 16:45 |
| S52 | 10364  | substrate same texture   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/08 16:45 |
| S53 | 12     | S51 and S52  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/08 16:45 |
| S54 | 9      | ("4398056"   "4493942"   "4514582").PN. OR ("4683160").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/08 16:59 |
| S55 | 729    | S49 and S52  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/08 17:17 |
| S56 | 215    | S55 and "136".clas.  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/08 17:17 |
| S57 | 24     | ("4497974"   "4500743"   "4532537"   "4554727"   "4599482"   "4683160"   "4689438"   "4694116"   "4732621"   "4746372").PN. OR ("4808462").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/08 17:21 |
| S58 | 200    | S51 and (texture uneven\$4 roughness)  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/08 17:29 |
| S59 | 322    | textur\$4 with substrate and "136".clas.   | US-PGPUB; USPAT        | OR | ON | 2008/10/08 17:39 |
| S60 | 66     | (silicon near2 (oxide dioxide)) same textur\$4 and "136".clas.   | US-PGPUB; USPAT        | OR | ON | 2008/10/09 09:46 |
| S61 | 152020 | solar photovoltaic photoelectric   | US-PGPUB; USPAT        | OR | ON | 2008/11/15 20:28 |
| S62 | 34915  | organic with semiconduct\$4  | US-PGPUB; USPAT        | OR | ON | 2008/11/15 20:30 |
| S63 | 48633  | (rough\$4 uneven\$4 textur\$4) with substrate  | US-PGPUB; USPAT        | OR | ON | 2008/11/15 20:30 |
| S64 | 446    | S61 and S62 and S63  | US-PGPUB; USPAT        | OR | ON | 2008/11/15 20:30 |
| S65 | 89     | S64 and "136".clas.  | US-PGPUB; USPAT        | OR | ON | 2008/11/15 20:30 |
| S66 | 389    | S61 same S63 and "136".clas.   | US-PGPUB; USPAT        | OR | ON | 2008/11/15 20:39 |

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|-----|--------|--|------------------------|----|----|------------------|
| S67 | 21     | ("4005468").PN. OR ("4485264").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/11/15 20:48 |
| S68 | 11     | {"5101260"   "5486238"   "5711824").PN. OR ("5891264").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/11/15 21:53 |
| S69 | 9      | {"3973994"   "4328390"   "4398056"   "4419533"   "5453135"   "5503898"   "5711824").PN. OR ("6350945").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/11/15 22:05 |
| S70 | 54     | {"4532537"   "4554727"   "4732621"   "4851658").PN. OR ("5482570").URPN.                                     | US-PGPUB; USPAT; USOCR | OR | ON | 2008/11/15 22:09 |
| S71 | 6      | (organic near4 semiconduct\$\$) and (textur\$4 with substrate) and "136". clas.                              | US-PGPUB; USPAT        | OR | ON | 2008/11/16 10:35 |
| S72 | 55     | (organic same semiconduct\$4) and (textur\$6 same substrate) and "136". clas.                                | US-PGPUB; USPAT        | OR | ON | 2008/11/16 13:17 |
| S73 | 58     | ((christoph near2 brabec) (jens near2 hauch)).in.  | US-PGPUB; USPAT        | OR | ON | 2009/03/18 11:23 |
| S74 | 55     | (KONARKA and TECH\$). as.  | US-PGPUB; USPAT        | OR | ON | 2009/03/18 11:23 |
| S75 | 157425 | solar photovoltaic photoelectric   | US-PGPUB; USPAT        | OR | ON | 2009/03/18 11:33 |
| S76 | 50664  | substrate near4 flexibl \$4  | US-PGPUB; USPAT        | OR | ON | 2009/03/18 11:35 |
| S77 | 36440  | (rough\$4 uneven\$4 textur\$4) near6 substrate   | US-PGPUB; USPAT        | OR | ON | 2009/03/18 11:40 |
| S78 | 572    | S75 and S76 and S77  | US-PGPUB; USPAT        | OR | ON | 2009/03/18 11:40 |
| S79 | 117    | S78 and "136".clas.  | US-PGPUB; USPAT        | OR | ON | 2009/03/18 11:40 |
| S80 | 455    | S78 not S79  | US-PGPUB; USPAT        | OR | ON | 2009/03/18 11:40 |
| S81 | 111    | semiconduct\$6 same (conjugated near4 polymer) same fullerene  | US-PGPUB; USPAT        | OR | ON | 2009/03/18 11:42 |
| S82 | 7      | S77 and S81  | US-PGPUB; USPAT        | OR | ON | 2009/03/18 11:42 |

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| S83 | 19     | S81 and "136".clas.   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/18<br>11:44 |
| S84 | 342905 | (structur\$4 rough\$4<br>uneven\$4 textur\$4)<br>with substrate   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/18<br>11:48 |
| S85 | 15     | S73 and S84   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/18<br>11:48 |
| S86 | 32     | S74 and S84   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/18<br>11:48 |
| S87 | 29     | S86 not S85   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/18<br>11:52 |
| S88 | 2      | ("5670791" "5454880").<br>pn.   | USPAT                     | OR | ON | 2009/03/18<br>13:08 |
| S89 | 56     | ("5009958"  <br>"5171373"  <br>"5185208").PN. OR<br>("5454880").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/18<br>13:18 |
| S90 | 41     | ("4367369"  <br>"4439410"   "4568791"<br>  "4795242"  <br>"4828875"   "4947219"<br>  "5202061"  <br>"5254648"   "5331183"<br>  "5403439"  <br>"5413226"   "5454880"<br>  "5503898"  <br>"5545443"   "5561026"<br>  "5625527"  <br>"5635581").PN. OR<br>("5986206").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/18<br>14:23 |
| S91 | 30     | ("20020036298"  <br>"20020117201"  <br>"20030062082"  <br>"20030067000"  <br>"20040094196"  <br>"5006915"   "5009958"<br>  "5171373"  <br>"5178980"   "5185208"<br>  "5221854"  <br>"5247190"   "5331183"<br>  "5350459"  <br>"5454880"   "5470910"<br>  "5670791"  <br>"5677572"   "5698048"<br>  "5759725"  <br>"5986206"   "6198092"<br>  "6239355"  <br>"6291763"  <br>"6580027").PN. OR<br>("6812399").URPN. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/18<br>14:26 |
| S92 | 8695   | (cathode anode) with<br>(work near function)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/18<br>14:40 |

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|------|--------|---|---------------------------|----|----|---------------------|
| S93  | 93     | S92 and "136".clas.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/18<br>14:40 |
| S94  | 29     | MEH?PPV same PCBM   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/18<br>14:51 |
| S95  | 306    | (conjug\$6 near4<br>polymer) same<br>fullerene  | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/18<br>14:57 |
| S96  | 71     | S75 and S95 and "136".<br>clas.   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/18<br>14:57 |
| S97  | 197    | S75 and S95   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/18<br>14:59 |
| S98  | 56     | ("5009958"  <br>"5171373"  <br>"5185208").PN. OR<br>("5454880").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/18<br>15:16 |
| S99  | 39     | ("5454880"  <br>"5698048"   "5703436"<br>  "5861219"  <br>"5986206"   "6097147"<br>  "6198091"  <br>"6198092"   "6278055"<br>  "6297495"  <br>"6333458"   "6352777"<br>  "6451415").PN. OR<br>("6580027").URPN. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/18<br>15:18 |
| S100 | 17     | ("3184371"  <br>"3300289"   "3330627"<br>  "3523817"  <br>"3627560"  <br>"4024309").PN. OR<br>("4510195").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/18<br>17:12 |
| S101 | 157673 | solar photovoltaic<br>photoelectric   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/19<br>11:15 |
| S102 | 12288  | organic near2<br>semiconduct\$4   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/19<br>11:15 |
| S103 | 69306  | flexibl\$4 with substrate   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/19<br>11:16 |
| S104 | 1139   | S101 and S102 and<br>S103   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/19<br>11:17 |
| S105 | 124    | S104 and "136".clas.  | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/19<br>11:17 |
| S106 | 737    | (textur\$4 uneven\$4<br>rough\$4) with<br>substrate and "136"/\$.<br>ccls.  | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/19<br>11:37 |
| S107 | 156    | S103 and S106   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/19<br>11:37 |
| S108 | 20     | S105 and S107   | US-PGPUB;<br>USPAT        | OR | ON | 2009/03/19<br>11:38 |

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|------|--------|---|---------------------------|----|----|------------------|
| S109 | 110    | S106 and (plastic with substrate)   | US-PGPUB; USPAT           | OR | ON | 2009/03/19 11:52 |
| S110 | 57     | ("5171373").PN. OR ("5331183").URPN.  | US-PGPUB; USPAT; USOCR    | OR | ON | 2009/03/19 12:07 |
| S111 | 34     | (US-20060000506-\$ or US-20060081816-\$ or US-20060102891-\$ or US-20030042846-\$ or US-20030159729-\$ or US-20030102024-\$ or US-20060032528-\$ or US-20060076557-\$). did. or (US-5891264-\$ or US-6291763-\$ or US-4229233-\$ or US-4514582-\$ or US-5711824-\$ or US-4683160-\$ or US-4485264-\$ or US-5589008-\$ or US-6350945-\$ or US-5482570-\$ or US-6452092-\$ or US-5681402-\$ or US-7053294-\$ or US-6815736-\$ or US-6376765-\$ or US-5331183-\$ or US-5986206-\$ or US-6580027-\$ or US-4510195-\$ or US-5800632-\$ or US-6238808-\$ or US-5456762-\$ or US-4514583-\$). did. or (JP-07066438-\$ or JP-09139515-\$ or JP-2002141524-\$). did. | US-PGPUB; USPAT; JPO      | OR | ON | 2009/07/09 21:03 |
| S112 | 44431  | (rough\$4 uneven\$4 textur\$4) near6 substrate  | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/07/09 21:04 |
| S113 | 19     | S111 and S112   | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/07/09 21:04 |
| S114 | 162835 | solar photovoltaic photoelectric  | US-PGPUB; USPAT           | OR | ON | 2009/07/09 21:18 |
| S115 | 1003   | 136/246.ccls.   | US-PGPUB; USPAT           | OR | ON | 2009/07/09 21:20 |
| S116 | 3143   | electrode with flexib\$8 same (silver aluminum "Al" "Ag")   | US-PGPUB; USPAT           | OR | ON | 2009/07/09 21:20 |
| S117 | 1      | S116 and S115   | US-PGPUB; USPAT           | OR | ON | 2009/07/09 21:21 |

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|------|-------|---|---------------------------|----|----|---------------------|
| S118 | 73    | S116 and "136".clas.  | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/09<br>21:21 |
| S119 | 134   | electrode with flexib\$8 with thickness same (silver aluminum "Al" "Ag")                          | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/09<br>21:33 |
| S120 | 4     | (layer electrode) near4 flexib\$8 with thick\$4 same (silver aluminum "Al" "Ag") and "136". clas. | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/09<br>21:42 |
| S121 | 346   | flexible near electrode same (silver aluminum "Al" "Ag")  | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/09<br>21:43 |
| S122 | 59    | S121 same thick\$4  | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/09<br>21:44 |
| S123 | 0     | S122 and "136".clas.  | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/09<br>21:51 |
| S124 | 2435  | ITO same PEDOT  | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/17<br>18:08 |
| S125 | 37801 | (rough\$4 uneven\$4 textur\$4) near6 substrate  | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/17<br>18:08 |
| S126 | 107   | S124 and S125   | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/17<br>18:08 |
| S127 | 1603  | (rough\$4 uneven\$4 textur\$4) with (anti \$1reflect\$6 (anti near reflect\$6))                   | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/17<br>18:11 |
| S128 | 414   | S125 and S127   | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/17<br>18:11 |
| S129 | 80    | S128 and "136".clas.  | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/17<br>18:11 |
| S130 | 10    | ("4482779"   "4497974"   "4514582"   "4532537"   "4556790").PN. OR ("4956685").URPN.              | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/07/17<br>18:54 |
| S131 | 123   | S128 and "257".clas.  | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/17<br>18:57 |
| S132 | 983   | ITO with (rough\$4 uneven\$4 textur\$4)   | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/17<br>19:09 |
| S133 | 47    | S132 and "136".clas.  | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/17<br>19:09 |
| S134 | 11587 | substrate with flexibl\$6 same polymer  | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/17<br>19:24 |
| S135 | 401   | S124 and S134   | US-PGPUB;<br>USPAT        | OR | ON | 2009/07/17<br>19:25 |

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|------|--------|---|--------------------|----|----|---------------------|
| S136 | 36     | S135 and "136".clas.  | US-PGPUB;<br>USPAT | OR | ON | 2009/07/17<br>19:25 |
| S137 | 857889 | (rough\$4 uneven\$4<br>textur\$4)   | US-PGPUB;<br>USPAT | OR | ON | 2009/07/17<br>19:32 |
| S138 | 23492  | substrate with flexibl\$6<br>same (plastic polymer<br>PET PEN)  | US-PGPUB;<br>USPAT | OR | ON | 2009/07/17<br>19:34 |
| S139 | 18     | S137 same S138 and<br>"136".clas.   | US-PGPUB;<br>USPAT | OR | ON | 2009/07/17<br>19:34 |
| S140 | 72165  | substrate with flexibl\$6   | US-PGPUB;<br>USPAT | OR | ON | 2009/07/17<br>19:46 |
| S141 | 2088   | S137 same S140  | US-PGPUB;<br>USPAT | OR | ON | 2009/07/17<br>19:46 |
| S142 | 51     | S141 and "136".clas.  | US-PGPUB;<br>USPAT | OR | ON | 2009/07/17<br>19:47 |
| S143 | 539    | light near4 incident<br>near4 substrate and<br>"136".clas.  | US-PGPUB;<br>USPAT | OR | ON | 2010/02/04<br>10:44 |
| S144 | 3888   | counter near4 electrode<br>near4 transparent  | US-PGPUB;<br>USPAT | OR | ON | 2010/02/04<br>10:49 |
| S145 | 23     | S143 and S144   | US-PGPUB;<br>USPAT | OR | ON | 2010/02/04<br>10:49 |
| S146 | 143    | ITO near4 PEDOT:PSS   | US-PGPUB;<br>USPAT | OR | ON | 2010/02/04<br>17:13 |
| S147 | 28     | S146 and "136".clas.  | US-PGPUB;<br>USPAT | OR | ON | 2010/02/04<br>17:13 |
| S148 | 109    | PEDOT:PSS and "136".<br>clas.   | US-PGPUB;<br>USPAT | OR | ON | 2010/02/04<br>17:13 |
| S149 | 173274 | solar photovoltaic<br>photoelectric   | US-PGPUB;<br>USPAT | OR | ON | 2010/02/04<br>17:14 |
| S150 | 76     | S146 and S149   | US-PGPUB;<br>USPAT | OR | ON | 2010/02/04<br>17:14 |
| S151 | 5      | ("20020040728"  <br>"20030062082"  <br>"20070026171"  <br>"5891264"  <br>"6154311").PN.   | US-PGPUB;<br>USPAT | OR | ON | 2010/02/13<br>16:24 |
| S152 | 6      | ("20030230768"  <br>"3951513"   "4692601"<br>  "4793910"  <br>"4877945"  <br>"5482570").PN.   | US-PGPUB;<br>USPAT | OR | ON | 2010/02/13<br>19:17 |
| S153 | 7      | US-4398056-\$ DID. OR<br>US-5110370-\$ DID. OR<br>US-5217296-\$ DID. OR<br>US-5782993-\$ DID. OR<br>US-6444072-\$ DID. OR<br>US-20030111527-\$.<br>DID. OR US-<br>20030188776-\$ DID. | US-PGPUB;<br>USPAT | OR | ON | 2010/02/13<br>19:18 |

|      |         |   |                        |    |    |                  |
|------|---------|---|------------------------|----|----|------------------|
| S154 | 139488  | (plastic polymer PET) near4 (substrate)   | US-PGPUB; USPAT        | OR | ON | 2010/07/08 19:22 |
| S155 | 1010425 | (rough\$4 uneven\$4 textur\$4 corrugat\$6)  | US-PGPUB; USPAT        | OR | ON | 2010/07/08 19:22 |
| S156 | 1635    | S154 with S155  | US-PGPUB; USPAT        | OR | ON | 2010/07/08 19:22 |
| S157 | 52      | S156 and 136/243-265. ccls.   | US-PGPUB; USPAT        | OR | ON | 2010/07/08 19:22 |
| S158 | 182599  | solar photovoltaic photoelectric  | US-PGPUB; USPAT        | OR | ON | 2010/07/08 19:25 |
| S159 | 217     | S156 and S158   | US-PGPUB; USPAT        | OR | ON | 2010/07/08 19:25 |
| S160 | 8       | ("4806436").PN. OR ("5964962").URPN.  | US-PGPUB; USPAT; USOCR | OR | ON | 2010/07/08 19:27 |
| S161 | 179257  | (plastic polymer PET PEN PES flexibl\$6) near4 (substrate)                              | US-PGPUB; USPAT        | OR | ON | 2010/07/08 19:29 |
| S162 | 17      | S161 with textur\$6 and 136/243-265.ccls.   | US-PGPUB; USPAT        | OR | ON | 2010/07/08 19:30 |
| S163 | 10      | ("4131485"   "4143233").PN. OR ("6043425").URPN.  | US-PGPUB; USPAT; USOCR | OR | ON | 2010/07/08 19:32 |
| S164 | 6       | ("20020040728"   "20030062082"   "20070026171"   "5891264"   "6154311"   "6740807").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/07/08 19:35 |
| S165 | 24054   | antireflect\$6 near4 (coat \$6 layer surface)   | US-PGPUB; USPAT        | OR | ON | 2010/07/08 19:50 |
| S166 | 132     | S154 and S165 and "136".clas.   | US-PGPUB; USPAT        | OR | ON | 2010/07/08 19:50 |
| S167 | 102     | S154 same S155 same (antireflect\$6 anti-reflect\$6)                                    | US-PGPUB; USPAT        | OR | ON | 2010/07/08 19:57 |
| S168 | 1       | S167 and "136".clas.  | US-PGPUB; USPAT        | OR | ON | 2010/07/08 19:57 |
| S169 | 3454    | (antireflect\$6 anti-reflect\$6) same (titanium near4 (oxide dioxide) "tiO.sub.2")      | US-PGPUB; USPAT        | OR | ON | 2010/07/08 20:03 |
| S170 | 347     | S169 and 136/243-265. ccls.   | US-PGPUB; USPAT        | OR | ON | 2010/07/08 20:03 |
| S171 | 36      | S161 and S170   | US-PGPUB; USPAT        | OR | ON | 2010/07/08 20:03 |
| S172 | 528     | substrate with textur\$6 and "136".clas.  | US-PGPUB; USPAT        | OR | ON | 2010/07/08 20:10 |

|      |        |  |                        |    |    |                  |
|------|--------|--|------------------------|----|----|------------------|
| S173 | 15     | ("4322253"   "4514582"   "4532537"   "4556790"   "4719501"   "4724323"   "4726851").PN. OR ("4922218").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2010/07/08 20:20 |
| S174 | 1457   | polymer near4 (solar photovoltaic) near4 (cell element device panel array module)  | US-PGPUB; USPAT        | OR | ON | 2010/07/28 16:29 |
| S175 | 213989 | (polymer plastic) with substrate   | US-PGPUB; USPAT        | OR | ON | 2010/07/28 16:29 |
| S176 | 899    | S174 and S175  | US-PGPUB; USPAT        | OR | ON | 2010/07/28 16:29 |
| S177 | 450    | S176 and "136".clas.   | US-PGPUB; USPAT        | OR | ON | 2010/07/28 16:29 |
| S178 | 71     | (KONARKA near6 TECH \$).as.  | US-PGPUB; USPAT        | OR | ON | 2010/07/28 16:52 |
| S179 | 2720   | (conjugated near4 polymer) and acceptor  | US-PGPUB; USPAT        | OR | ON | 2010/07/28 16:55 |
| S180 | 213    | S179 and "136".clas.   | US-PGPUB; USPAT        | OR | ON | 2010/07/28 16:55 |
| S181 | 166    | S175 and S180  | US-PGPUB; USPAT        | OR | ON | 2010/07/28 16:55 |
| S182 | 9      | sariciftci.in. and "136".clas.   | US-PGPUB; USPAT        | OR | ON | 2010/07/28 16:59 |
| S183 | 14     | ("4816324"   "4888061"   "5273608"   "5356656"   "5605769").PN. OR ("5782993").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2010/07/28 17:30 |
| S184 | 70     | ("5009958"   "5171373"   "5185208").PN. OR ("5454880").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2010/07/28 18:19 |
| S185 | 47     | ("4367369"   "4439410"   "4568791"   "4795242"   "4828875"   "4947219"   "5202061"   "5254648"   "5331183"   "5403439"   "5413226"   "5454880"   "5503898"   "5545443"   "5561026"   "5625527"   "5635581").PN. OR ("5986206").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/07/28 18:32 |
| S186 | 42     | Forrest.in. and "136".clas.  | US-PGPUB; USPAT; USOCR | OR | ON | 2010/07/28 18:34 |

|      |      |   |                           |    |    |                     |
|------|------|---|---------------------------|----|----|---------------------|
| S187 | 1    | "5296949".pn.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2010/07/28<br>18:56 |
| S188 | 2038 | ITO with PEDOT  | US-PGPUB;<br>USPAT        | OR | ON | 2010/07/28<br>19:04 |
| S189 | 200  | S188 and "136".clas.  | US-PGPUB;<br>USPAT        | OR | ON | 2010/07/28<br>19:04 |
| S190 | 155  | S175 and S189   | US-PGPUB;<br>USPAT        | OR | ON | 2010/07/28<br>19:04 |
| S191 | 55   | ("5121183"  <br>"5201961"   "5315129"<br>  "5350459"  <br>"5652067"   "5703436"<br>  "6198091"  <br>"6198092"   "6278055"<br>  "6297495"  <br>"6333458"  <br>"6352777").PN. OR<br>("6451415").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2010/07/28<br>19:07 |
| S192 | 1    | "20020108649"   | US-PGPUB;<br>USPAT        | OR | ON | 2010/07/28<br>19:45 |
| S193 | 1    | "6936761".pn.   | US-PGPUB;<br>USPAT        | OR | ON | 2010/08/03<br>16:53 |
| S194 | 28   | ("20020192441"  <br>"20030005955"  <br>"20030204038"  <br>"20040084080"  <br>"20040103936"  <br>"20040146560"  <br>"20040178390"  <br>"4865999"   "4939050"<br>  "5571612"  <br>"6291763"   "6414235"<br>  "6444296"  <br>"6472594"   "6515218"<br>  "6517958"  <br>"6586764"   "6706962"<br>  "6852920").PN. OR<br>("6936761").URPN. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2010/08/03<br>16:53 |
| S195 | 9    | S194 and PEDOT  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2010/08/03<br>16:54 |

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